

**Amendments to the Claims**

The following listing of claims will replace all prior versions and listings of claims in the application.

**Listing of Claims**

1. (Currently amended) An isolated nucleic acid comprising any one of SEQ ID NOS:1-30 SEQ ID NO:1, or a sequence complementary to any one of SEQ ID NOS:1-30 thereto.
2. (Withdrawn) An isolated nucleic acid comprising at least eight consecutive nucleotides of a nucleotide sequence of any one of SEQ ID NOS:2-29, or at least eight consecutive nucleotides of a nucleotide sequence complementary to any one of SEQ ID NOS:2-29.
3. (Withdrawn) An isolated nucleic acid comprising at least 80% nucleotide identity with a nucleic acid comprising any one of SEQ ID NOS:2-29, or at least 80% nucleotide identity with a sequence complementary to any one of SEQ ID NOS:1-29.
4. (Withdrawn) The isolated nucleic acid according to claim 3, wherein the nucleic acid comprises at least an 85%, 90%, 95%, or 98% nucleotide identity with a nucleic acid comprising any one of SEQ ID NOS:2-29, or comprises at least an 85%, 90%, 95%, or 98% nucleotide identity with a sequence complementary to any one of SEQ ID NOS:2-29.
5. (Withdrawn) An isolated nucleic acid that hybridizes in the presence of 50% formamide and 6X SCC with a nucleic acid comprising any one of SEQ ID NOS:2-29, or with a nucleic acid comprising a nucleotide sequence complementary to any one of SEQ ID NOS:2-29.
6. (Withdrawn) A nucleotide probe or primer specific for an ATP-binding cassette, subfamily C, member 11 (ABCC11) gene, wherein the nucleotide probe or primer comprises at least 15 consecutive nucleotides of a nucleotide sequence of

any one of SEQ ID NOS:2-29, or at least 15 consecutive nucleotides of a sequence complementary to any one of SEQ ID NOS:2-29.

7. (Currently amended) A nucleotide probe or primer specific for an ABCC11 gene, wherein the nucleotide probe or primer comprises the nucleotide sequence of ~~any one of SEQ ID NOS:1-30 SEQ ID NO:1~~, or a nucleotide sequence complementary to ~~any one of SEQ ID NOS:1-30 thereto~~.

8. (Withdrawn) A method of amplifying a region of the nucleic acid according to claim 1, comprising:

- a) contacting the nucleic acid with two nucleotide primers, wherein the first nucleotide primer hybridizes at a position 5' of the region of the nucleic acid to be amplified, and the second nucleotide primer hybridizes at a position 3' of the region of the nucleic acid to be amplified, in the presence of reagents necessary for an amplification reaction;
- b) amplifying the nucleic acid region; and
- c) detecting the amplified nucleic acid region.

9. (Withdrawn) The method according to claim 8, wherein each nucleic acid primer is independently selected from the group consisting of

- a) a nucleotide primer comprising at least 15 consecutive nucleotides of a nucleotide sequence of any one of SEQ ID NOS:1-30,
- b) a nucleotide primer comprising at least 15 consecutive nucleotides of a nucleotide sequence complementary to any one of SEQ ID NOS:1-30,
- c) a nucleotide primer comprising a nucleotide sequence of any one of SEQ ID NOS:1-30, and
- d) a nucleotide primer comprising a nucleotide sequence complementary to any one of SEQ ID NOS:2-30.

10. (Withdrawn) A kit for amplifying the nucleic acid according to claim 1, comprising:

- a) two nucleotide primers whose hybridization position is located respectively 5' and 3' of the region of the nucleic acid to be amplified; and optionally,
- b) one or more reagents necessary for an amplification reaction.

11. (Withdrawn) The kit according to claim 10, wherein each nucleic acid primer is independently selected from the group consisting of

- a) a nucleotide primer comprising at least 15 consecutive nucleotides of a nucleotide sequence of any one of SEQ ID NOS:1-30,
- b) a nucleotide primer comprising at least 15 consecutive nucleotides of a nucleotide sequence complementary to any one of SEQ ID NOS:1-30,
- c) a nucleotide primer comprising a nucleotide sequence of any one of SEQ ID NOS:1-30, and
- d) a nucleotide primer comprising a nucleotide sequence complementary to any one of SEQ ID NOS:1-30.

12. (Withdrawn) The nucleotide probe or primer according to claim 6 or claim 7, wherein the nucleotide probe or primer comprises a marker compound.

13. (Withdrawn) A method of detecting a nucleic acid according to claim 1, comprising:

- a) contacting the nucleic acid to be detected with a nucleotide probe selected from the group consisting of
  - i) a nucleotide primer comprising at least 15 consecutive nucleotides of a nucleotide sequence of any one of SEQ ID NOS:1-30,
  - ii) a nucleotide primer comprising at least 15 consecutive nucleotides of a nucleotide sequence complementary to any one of SEQ ID NOS:1-30,
  - iii) the nucleotide primer of claim 6 or claim 7,
  - iv) a nucleotide primer comprising the nucleotide sequence of any one of SEQ ID NOS:2-30, and
  - v) a nucleotide primer comprising a nucleotide sequence complementary to any one of SEQ ID NOS:2-30; and
- b) detecting a complex formed between the nucleic acid and the probe.

14. (Withdrawn) The method of claim 13, wherein the probe is immobilized on a support.

15. (Withdrawn) A kit for detecting the nucleic acid according to claim 1, wherein the kit comprises

- a) a nucleotide probe selected from the group consisting of
  - i) a nucleotide primer comprising at least 15 consecutive nucleotides of the nucleotide sequence of any one of SEQ ID NOS:1-30,
  - ii) a nucleotide primer comprising at least 15 consecutive nucleotides of a nucleotide sequence complementary to any one of SEQ ID NOS:1-30,
  - iii) the nucleotide primer of claim 6 or claim 7,
  - iv) a nucleotide primer comprising a nucleotide sequence of any one of SEQ ID NOS:2-30, and
  - v) a nucleotide primer comprising a nucleotide sequence complementary to any one of SEQ ID NOS:2-30; and optionally,
- b) one or more reagents necessary for a hybridization reaction.

16. (Withdrawn) The kit according to claim 15, wherein the probe is immobilized on a support.

17. (Currently amended) A recombinant vector comprising the nucleic acid according to claim 1.

18. (Original) The vector according to claim 17, wherein the vector is an adenovirus.

19. (Original) A recombinant host cell comprising the recombinant vector according to claim 17.

20. (Currently amended) A recombinant host cell comprising the nucleic acid according to claim 1.

21. (Previously presented) An isolated nucleic acid encoding a polypeptide comprising an amino acid sequence of SEQ ID NO:31.

22. (Original) A recombinant vector comprising the nucleic acid according to claim 21.

23. (Original) A recombinant host cell comprising the nucleic acid according to claim 21.

24. (Original) A recombinant host cell comprising the recombinant vector according to claim 22.

25 – 40 (Canceled).